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QPRT, 1-297aa, Human, His tag, E.coli

产品货号: TP03615

第三版

别名: Nicotinate nucleotide pyrophosphorylase (carboxylating), Quinolate phosphoribosyltransferase, QPRTase, QAPRTase

描述: Quinolate phosphoribosyltransferase, also known as QPRT, is a major enzyme in the catabolism of quinolate. It is an intermediate in the tryptophannicotinamide adenine dinucleotide (NAD) pathway, leading to the production of nicotinic acid, carbon dioxide and pyrophosphate. Elevation of QPRT levels in the brain has been linked to the pathogenesis of neurodegenerative disorders such as epilepsy, Alzheimer's disease, and Huntington's disease.

配方: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol

分子量: 32.9 kDa (317aa), confirmed by MALDI-TOF

序列:

MGSSHHHHHHSSGLVPRGSHMDAEG LALLPPVTLAALVDSWLREDCPGLNYAALVSGAGPSQAALWAKSPGVLGQP
FFDAIFTQLNCQVSWFLPEGSKLVPVARVAEVRGPAHCLLLGERVALNTLARCSGIAAAAAVEAARGAGWTGHVAGT
RKTTTPGFRLVEKYGLLVGGAASHRYDLGGLVMVKDNHVVAAGGVEKAVRAARQAADFALKVEVECSSLQEAVQAAEA
GADLVLLDNFKPEELHPTATVLKAQFPSVAVEASGGITLDNLPQFCGPHIDVISMGLTQAAPALDFSLKLFKEVAPVPKI
H

纯度: > 95% by HPLC

浓度: 1 mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在-20 ° C 或者-70 ° C. 避免反复冻融.